

**STRUCTURAL COMPOSITE LUMBER
LAMINATED VENEER LUMBER (LVL)****PA-136**

Discipline: Structural

Issued 04-18-05

This Product Acceptance (PA) report indicates DSA's acceptance of a manufacturer's product and conditions for its use in projects under DSA jurisdiction, which include State of California public elementary and secondary schools (grades K-12), community colleges, and state-owned or state-leased essential services buildings.

A DSA PA report is issued on the basis of conformance with referenced code provisions, standards, product listings, and acceptance criteria. A DSA PA report is not mandatory. Products without a DSA PA report may be accepted for a specific project by a DSA regional office.

Product Acceptance reports are intended for use by project design professionals and DSA staff. DSA approval of any project using the specified product is contingent on incorporation, into the plans and specifications, of all applicable conditions of use. This product may be substituted for products specified in the DSA approved plans and specifications, provided that the project architect and/or structural engineer obtains DSA approval for all substitutions.

Acceptance of the product described below is granted contingent on continued acceptable performance, and can be revised or withdrawn at any time by DSA. Changes to the product specification and/or manufacturing procedures without DSA concurrence may void this Product Acceptance Report.

PRODUCT NAME	RIGIDLAM® LVL
COMPANY NAME	Roseburg Forest Products Co.
COMPANY CONTACT	Dave Anderson, P.E. Tel: (888) 510-3001 PO Box 1088 Fax: (541) 679-2612 Roseburg, OR 97470 e-mail: davea@rfpco.com
DSA CONTACT	Terence Fong Tel: (916) 324-7099 1102 Q Street, Suite 5100 Sacramento, CA 95814-3965 e-mail: terence.fong@dgs.ca.gov
REFERENCES	
Code:	2001 Title 24, Part 2, Sections 2304A, 2316A.2.3, 2318A.3, and 2315A.3.3
Standards:	ASTM D5456-03, D4761, D5764, D1761, D143 and D198
Listing:	ICC ES Report ESR-1210, issued September 1, 2004

Discussion:

RIGIDLAM® LVL lumber are structural composite lumber products consisting of Douglas fir or hemlock veneers laminated with the grain parallel to the length of the member. An exterior adhesive of phenol-formaldehyde complying with ASTM D-2559 is used to bond veneers in the lay-up patterns specified in the manufacturer's quality control manual.

This PA report is only applicable to RIGIDLAM® LVL **Grades 1.8E and 2.0E** which is made from 1/8 or 1/10 inch thick veneers of Douglas fir or hemlock. Grade 1.8E LVL is made with 100% Douglas fir veneers. The 2.0E LVL can be made with 100% Douglas fir veneers or it can include up to 33% hemlock veneers. RIGIDLAM® LVL Grades 1.3E and 1.5E are outside the scope of PA-136.

Acceptance is based on DSA's review of the referenced Listing, manufacturer's test data and quality control program, for compliance with the Standards referenced above.

Continuous independent inspection for RIGIDLAM® LVL fabrication is not required. All monthly quality control audit reports resulting from unannounced audits by a qualified independent inspection agency as defined in ASTM D-5456 shall be maintained and made available to the Division of the State Architect upon request.

1. CONDITIONS OF USE: RIGIDLAM® LVL is acceptable for use on projects under DSA jurisdiction, subject to the conditions listed below:

- 1.1 RIGIDLAM® LVL shall be limited to interior, dry conditions of use and must be protected from weather during construction.
- 1.2 The allowable RIGIDLAM LVL framing lumber design stresses shall be as specified per Table 1 of the referenced listing above, ICC ESR-1210, except as modified below.
- 1.3 The repetitive member adjustment factor for Fb shall be 1.0 per CBC Section 2316.2.3.
- 1.4 Allowable load capacities for nailed and bolted connections shall be as specified in Section 4.1.2 of ICC ESR-1210.

2. IDENTIFICATION:

RIGIDLAM® LVL material shall bear identification stamps in accordance with Section 7.0 of the referenced Listing above, and similar to the samples shown below:

